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## (54) Title: METHOD FOR DIAGNOSIS OF COLORECTAL TUMORS

(57) Abstract: The invention provides objective methods for detecting and diagnosing colorectal cancers and pre-malignant lesions. For example, the methods disclosed herein can reliably detect very early-stage colorectal cancers. In one embodiment, the diagnostic method involves the scoring of gene expression profiles that discriminate between adenomas and carcinomas. The profile score calculated acts as diagnostic indicator that can objectively indicate whether a sample tissue is non-cancerous, pre-cancerous, or cancerous. The present invention further provides methods of diagnosing colorectal tumors in a subject, methods of screening for therapeutic agents useful in the treatment of colorectal tumors, methods of treating colorectal tumors and method of vaccinating a subject against colorectal tumors.

WO 2004/001072 A2